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(21) Application number: **2000397596**(71) Applicant: **KENWOOD CORP**(22) Date of filing: **27.12.00**(72) Inventor: **NAKAZAWA AKIRA**(54) **MOBILE COMMUNICATION SYSTEM AND COMMUNICATION METHOD**

(57) Abstract:

PROBLEM TO BE SOLVED: To suppress wasteful power consumption and to improve reception performance.

SOLUTION: When forming a delay profile to detect a multipath for example, a search receiver 6 determines the correlation between a delay profile formed in this path searching and a delay profile formed in the previous path searching and judges whether or not a correlation value exceeds a predetermined threshold T2. On judging that the correlation value is lower than the threshold T2, the receiver 6 sets time intervals for repeating path searching to be short. On the other hand, on judging that the correlation value exceeds the threshold T2, the receiver 6 sets the time intervals for repeating path searching to be long.

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